

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

Art Collins- Pres.
68 Amber St.
Buffalo 20, N.Y.

January 1963

King Schafer V.Pres.
360 Zimmerman Blvd.
Kenmore 17, N.Y.

Vol 10 # 1

We are pleased to report this month that new management has been found to continue AIPA operations! Beginning February 1st, 1963 AIPA's Grady Harris, 2913 College Circle, Corsicana, Texas, will take the helm. Grady is being appointed acting-President, and will publish the bulletin, keep membership files, and perform other club tasks from Corsicana, Tex. An new Vice-President will be appointed when a likely candidate is ascertained. The present AIPA management asks the re-election of the new interim team come next April's balloting. Keep in mind, since the AIPA's existence it has been up to the Pres. & V.Pres. to shoulder practically all the work such as publishing the bulletin etc. This is proper and fitting. WHO would consent to publishing the bulletin, and doing all the work with a President a thousand miles away just giving orders !!!! The same would go for the V.President. If you are to accept a title, then accept the work that goes with it!!!!.

All AIPA editors are requested to send their column stencils for the Feb bulletin to Grady. Members will report their DX loggings or station data as usual, to their respective editors. All dues receipts, requests for sample bulletins, and other organizational correspondence also goes to Grady. Any AIPA business that requires attention from Buffalo or Kenmore, will of course be taken care of promptly.

With new management located, the most pressing of AIPA problems has been resolved. The bulletin will continue to be published, hence the group as a body will still function. Other problems to be faced include sagging membership, higher operational expenses, a downward trend in DX interests, poor DX conditions, and a body named Uncle Sam who keeps drafting our members into the armed forces. So you see running a small club is not an easy task. Your renewals, reports, and support is needed to keep the AIPA in operation.

The sun is not setting here in Buffalo as it once did in Ithaca and Dunkirk (all N.Y.), on the AIPA headquarters. Our first Pres. and founder, Bob Cooper was followed by Pres. Bob Seybold, who in turn was replaced by Art Collins. V.Pres's have been Ron DeNeuf, Hank Hollbrock, Fred VonGunten, Bob Seybold, Art Collins, and King Schafer. There has been over 500 DX'ers in and out of the club since it's founding in Ithaca, N.Y. in 1953. Among them were well known BCB (AM Radio) hands like Hank Ward, Sid Rosenbaum, Hal Wagner and a host of others, and the present membership is even nicer to scan.

Well, it's time for us to close. It's been swell working for you all, Good-By, remember us in your prayers, and God bless you.

Art Collins

&

King Schafer

REVISED CH. 9 TELEVISION RECORDS

CALLS	LOCATION	DIST.
KGUN	Tucson, Arizona	No Record
WTVY	Dothan, Ala.	665 BJB
KFOY	Hot Springs, Ark.	No Record
KHJ	Los Angeles, Cal.	115 DS
KQED	San Francisco, Cal.	225 DS
*KBT	Denver, Colo.	475 CD
WTOP	Washington, D. C.	1030 ER
WLOF	Orlando, Fla.	500 AC
WTVM	Columbus, Ga.	No Record
KHBC	Hilo, Hawaii	No Record
KGMB	Honolulu, Hawaii	No Record
*WGN	Chicago, Ill.	685 BHa
*KCRG	Cedar Rapids, Iowa	580 CH
KVT	Sioux City, Iowa	640 BM
WAFB	Baton Rouge, La.	660 BJB
KMST	Minneapolis, Minn.	600 BM
WDAM	Hattiesburg, Miss.	600 BJB
KMEC	Kansas City, Mo.	490 BM
KETC	St. Louis, Mo.	No Record
WMUR	Manchester, N. H.	375 RN
WOR	New York, N. Y.	310 BBg
WSOC	Charlotte, N. C.	790 BD
WNCT	Greenville, N. C.	765 BJB
*WCPO	Cincinnati, Ohio	635 ER
*WSTV	Stuebenville, Ohio	855 ER
KWT	Oklahoma City, Okl.	815 BD
KEZI	Eugene, Oreg.	No Record
KXAB	Aberdeen, S. D.	No Record
*WTV	Chatanooga, Tenn.	705 BHa
*KRBC	Abilene, Texas	415 BBn
KTSM	El Paso, Texas	No Record
KTR	Lufkin, Texas	No Record
*KVKM	Monahana, Texas	440 BHa
KVOG	Ogden, Utah	No Record
KCTS	Seattle, Wash.	No Record
WSUR	Ponce, Porto Rico	No Record
CBUAT	Nelson, B. C.	No Record
CFXU	Antigonish, N. S.	No Record
CBOFT	Ottawa, Ont.	242 RN
CFTO	Toronto, Ont.	118 FW
*CKLW	Toronto, Ont. (now Ch.6)	360 BH1
*CKBL	Matane, Queb.	150 GG

*New since last Ch. 9 Listings

REVISED CH. 9 RECORD HOLDERS:

B. J. Bingham-4
 E. Rugal, B. Hauser, B. Meers-3
 D. Smith, R. Nieman, B. Draeb-2
 C. Dabelstein, C. Howington, B. Berg
 B. Brown, F. Wheeler, R. Italiano
 G. Girard, B. Hider-1

Deadline Jan. 25, 1963.

Lets support the good old AIPA more than ever in '63.

Frank Wheeler, 6589 Wattsburg Road
 Erie, Pa.

NEW VHF RECORDS CH. 3-13

CALL	LOCATION	DIST.
CHANNEL 3		
KATC	Lafayette, La.	1069 FW
CBWT	Winnepeg, Man.	1510 AF

CHANNEL 6

WRTE	Knoxville, Tenn.	690 AF
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CHANNEL 13

WLTV	Bowling Green, Ky.	630 BHa
WZZM	Grand Rapids, Mich.	140 DS

NEW VHF RECORD HOLDERS:

Ch. 3-A. Friese, F. Wheeler-1
 Ch. 6-A. Friese-1
 Ch. 13-B. Hauser, D. Smith-1

NEW UHF TV RECORDS:

CALL	LOCATION	DIST.
CHANNEL 17		
KLYD	Bakersfield, Cal.	100 DS

CHANNEL 20

WJMY	Allen Park, Mich.	160 FW
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CHANNEL 24

WEDH	Hartford, Conn.	15 AF
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CHANNEL 36

WMTV	Milwaukee, Wisc.	80 DS
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CHANNEL 38

KS2XBR	Chicago, Ill.	4 DS
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CHANNEL 43

WSBA	York, Pa.	185 AF
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CHANNEL 79

KE2XTI	Chicago, Ill.	12 DS
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NEW UHF RECORD HOLDERS:

Ch. 17-D. Smith
 Ch. 20-F. Wheeler
 Ch. 24-A. Friese
 Ch. 36-D. Swanson
 Ch. 38-D. Swanson
 Ch. 43-A. Friese
 Ch. 79-D. Swanson

Next month Revised Ch. 10
 Records, or if enough new
 records on other channels
 are made they will be listed,
 also Members Standings.

A. I. P. A.

Carlton Howington
13880 Greenland Ave.
Uniontown 1, Ohio

F C C NEWS

January 1963

GRANTS

Ch. 47 Linden, New Jersey 200/108kw 580'AT.

APPLICATIONS

Ch 16 Mayaguez, P. Rico 6.44/2.88kw 207'AT.
Ch 19 San Juan, P. Rico 200/100kw 150'AT.
Ch 20 Washington, D. C. 600.2/300.1kw 513'AT.
Ch 22 Ponce, P. Rico 6.3/2.8kw 99'AT.
Ch 26 West Lebanon, N. H. 496/248watts 235'AT.
Ch 38 San Francisco, Calif. 113.4/56.9kw 1262'AT.
Ch 42 (EDU)Charlotte, N. C. 233/130kw 430'AT.
Ch 55 (EDU)Kent, Ohio 4.34/2.65kw 362'AT.
**The Ch 16 in Mayaguez & Ch 22 in Ponce, P.R. are
proposed satellites of Ch 19 in San Juan.

NEW CALLS

KICB-TV 52 Corona, Calif.
KFOG(TV) 44 San Francisco, Calif.
WCLP-TV 18 (EDU) Chatsworth, Ga.
WTAF-TV 31 Marion, Ind. changed from WTAF(TV)
WUHF(TV) 18 Milwaukee, Wis. from WXIX(TV)
WVNA-TV 47 Tuscumbia, Ala.
WGHP-TV 8 High Point, N. C.
WIBF-TV 29 Jenkintown, Penna.
WSEW(TV) 64 Oil City, Penna. (Sat. of WSEE 35)

CP CANCELLED

KRNM-TV 10 Roswell, New Mexico

LICENSE CANCELLED

KBAS-TV 16 Ephrata, Washington

NEWS NEWS NEWS NEWS NEWS NEWS

WOAY-TV 4 permitted to ID as Oak Hill-Beckley, W. Va.

WCET(TV)(EDU) 48 in Cincinnati, Ohio up to 174/87.1kw ant. 530'AT

KUSU-TV 12 (EDU)Logan, Utah to 31.1/17.1kw antenna 530'AT.

WEAU-TV 13 Eau Claire, Wis., up to 316/158kw antenna 890'AT.

WZZM-TV 13 Grand Rapids, Mich to 295/148kw antenna to 1000'AT.

KRAV(FM) 96.5mcs Tulsa, Okla. is now on the air with 20kw,
they broadcast in stereo 18 hours a day

WMTV(TV) Madison, Wis. to Ch 15 from Ch 33 power to 177/88.5kw
antenna to 1160'AT.

WBJA-TV 34 Binghamton, N. Y. now on the air with ABC programs

KNOP-TV 2 North Platte, Neb. to 57/29kw

WTEV(TV) 6 New Bedford, Mass. has been on the air since Dec. 19
with TP & tone. Regular programming will start Jan. 1, 1963

WTLV will serve the Providence, R.I. area with ABC programs

GARY OLSEN
Jan. 6, 1963

AIPA STANDARDS

55 Lake View Lane
Barrington, Ill.

November 6 + 7, 1962 -- Election Returns and TV DXK

The unusual in TV DX often makes our hobby a little more spicy. On November 6, 1962 it was election night. WILL TV, ch. 12, Urbana, Illinois, was presenting the "Election Special", a special election night coverage of the local elections. Included in the crew of the program was yours truly, who was working camera for the coverage. It was not until several weeks later that a quite rare incident was reported to us at WILL TV about the program.

A woman in Mississippi was viewing her local channel 12 (apparently WJTV) when it went off the air. As she crossed the room to change the channel, another picture appeared on the screen -- it was a filmed interview with Illinois' Senator Dirksen. The startling thing was that the interviewer was one of her relatives, a student at the University of Illinois, Miss Ella Doyle. The woman watched the remainder of the program until the very late sign off at about 1:40 a.m. Miss Doyle returned to her home in Mississippi for Thanksgiving vacation being greeted by the call that she had been seen on WILL TV in the early morning of November 7. I checked back issues of the AIPA bulletin to see what the record was for WILL TV. The record was listed at 288 miles. This reception would range between 500 and 600 miles; a good showing for our mighty 45.7 kw. WILL TV. Apparently November 6 and 7 was good for tropes--Did anyone see anything unusual on that night?

By the way, the Mississippi woman really did view the station; she was able to identify everything that took place on the program and she apparently described everyone that appeared or worked on the program by reeling off the credits which were presented at sign off!

Shorts from the Standards Column

***--WZZM TV came in loud and strong the other night for another new one. Their call slide listed them in Muskegon, Mich.

----Yours truly hopes to begin working part-time for WILL TV next semester while going to school. All DX correspondence may be directed to Mr. Robert Belden of the Engineering Department, c/o WILL TV, 302 Goodwin, Urbana, Illinois.

----Another post card here says the Jones Log was due out in December. We're about due for a new one. My copies are out of date and pretty beat up-Hi!

----New address received from Don Ruland (his umpteenth change)
Don can now be reached at: 1333 Esplanade, New Orleans 16. Louis.

----Please note a new school address for me: 407 E. Stoughton, Apartment #4, Champaign, Illinois. I expect this to be more or less permanent for the next year.

----I hope that next month I will be able to publish a list of all magazine articles in which TV DX items appeared. From there readers can supplement the list. We'll see how this works out.

----DX as far as I can see is quite nil at present. I did see some skip in Champaign on Dec. 5 around dinner time on channel 2, but no IDs. Aside from that, little has been viewed on the CRT!

Thanks to all who sent Xmas cards. Hope to hear from you soon! Gary

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AIPA NEW YEAR NEW STATIONS NEW TELEVISION SETS NO DX ? AIPA
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JANUARY - HAPPY NEW YEAR to the A.I.P.A.

A I P A - D X S O U T H E R N C O L U M N

DX ALABAMA DX ARKANSAS DX FLORIDA DX GEORGIA DX KENTUCKY DX LOUISIANA DX VIRGINIA DX
DX DX MISSISSIPPI DX MISSOURI DX NORTH CAROLINA DX SOUTH CAROLINA DX TENNESSEE DX DX

Hello everybody!!!! I hope that you all had a fine Christmas Holiday...I seem to be forgetting to put my address in the column...So, IF anyone has a report for the February bulletin, then I will be at the following: Richard Bergen, III ; 109 Woodlawn Avenue; LaGrange, Kentucky.

I would like to thank all of the AIPA'ers that sent their Season's Greetings in this direction.....In this connection, I received a lengthy letter from Bill Meers, who is studying in France for a year, and he says that they had 8 inches of snow on Christmas Eve. Bill is in Aix-en-Provence, which is within 30 miles of the Riviera.

I finally received a card from the Jones Log people, and they say that the #4 issue is supposed to come out in December.

Here's a little note that I saw in the local paper: It seems that the new owners of the Newport radio station, WNOP, have asked the FCC to allow limited use of Ch. 3 so as not to interfere with WAVE3 and WLW-D2. Newport is in the Cincinnati area. What is next???? HI

Donald Ruland sent a nice Christmas card; Don's address is now 1333 Esplanade; New Orleans 16, Louisiana. Don is pretty busy with his new job there, and also it is hard to do much DXing from a temporary location. Good luck to you, Don!!!!

===== B. J. Bingham; 430 South Adam Street; Festus, Missouri.....December 12: KID3 (Es). December 20: WTIC-3 and WTEV-6 (both by Es). B.J. says that this WTEV6 had a TP on at 2:00 PM, and he couldn't make out the city. Does anyone know of such a station??? B. J.'s log now has 290 stations. He also saw some more Es on the other low banders on December 12, but was unable to identify them. Note: I just looked this up too late. In the September bulletin Carlon Howington has WTEV6 as being in New Bedford, Mass., B.J. They were probably testing before their target date of 1/1/62.....

I haven't really seen much of anything while at home for the holidays at La-Grange. WFIE14 and WEHT50 have come in a couple of times, and I thought that I saw some Es one morning, but that is about it.

Ferdinand Dombrowski can be reached at the following address:
US55678955; Company A; 123rd SIG. BN. 3rd INF. DIV.; APO 36, New York, N.Y.
Ferdie is thrilled at being assigned to Germany. He says that he is trying to round up some European DXers; he has 12 names and 8 addresses; he's been looking through German TV-electronics magazines for information on European DXing. He adds that coke costs twice as much as beer.....He says the foreign made TV sets are not easy to find for less than \$200, but a Westinghouse converted for 625 lines is just \$129.95 at the PX. Good luck to you, Ferdie, and be careful of those German railroads and their faulty doors. HI

Well, it is the new Year, and about time we were thinking of another convention. It seems that the club isn't in as bad a shape as I put it in in the last bulletin, so let's start thinking about this annual affair!!!! I believe that a good and centralized convention would really help to straighten the A.I.P.A.....

AIP:

F M D X

January, 1963

Dave Janowski
747-A South 23 St.
Milwaukee, Wisconsin

Reports

DENNIS SMITH is the only FM reporter for this month. While back in Wasco, Calif. on Nov. 6, new KVEC 93.3 in San Luis Obispo was identified. The signal over the 75 mile path was fairly strong. With this new call, the Smith FM log is at 101.

FM-NEWS

KVEC 93.3 San Luis Obispo, Calif., came on the air around Oct 26 or thereabouts, with 30 kw ERP. Its xmtr is on the KSBY-6 tower, about 2600 feet above sea level. KPPC 106.7 Pasadena is on the air, and actually has been on for several months now, with about 28 kw, and has music and religious programs. Neither of these stations duplicates its AM counterpart (KVEC & KPPC).

Not too much in the way of news or reports in the last two months. I guess your FM editor didn't announce his change of address to well. Of course, it could be that DX took a vacation.

I've finally become settled back in Milwaukee. I hope that I don't have to move for a few years or so, as the turmoil, damage, etc. are too much to take.

My FM-AM stereo combo and TV were a bit jarred in transit. The TV needs an IF alignment, but I don't feel brave enough to try this without a signal generator. After hours of circuit tracing, and troubleshooting, I got the FM stereo to work properly. Apparently the tubes had been bent in their sockets which cause the tube socket pins to short out. A few burned out components resulted. Also, leaky capacitors and resistors that changed value were found. I had the only push-pull output stage that ran with one tube at -21 volts, while the other was at grounded grid!!! But the biggest problem was restringing a few feet of broken dial cord string.

I'll be able to get a DX set up for TV in spring. For the present, I'll have to be content with the locals.

Local WKIX, 18, will change call letters on Jan 1, 1963 to WUHF. They have also requested a power increase to around 400kw. The tower is a "stones throw" from my place.

Well, that's all for this month. Hope to see a few reports next time.

73's

Dave

HOPE YOU ALL HAD A MERRY CHRISTMAS AND A HAPPY NEW YEAR!!!!!!!

MISCELLANEOUS RAMBLINGS
and
CANADIAN NEWS

Jim Dillon,
% Cst. L. Newson,
Box 310, Williams Lake,
B.C.

It is always difficult to initiate anything. However, the problem becomes more acute when one tries to describe a column of rambling comments and ideas. Thus I shall say no more except to ask for your comments.

item # 1 Tabulation by Percentage

Has anyone ever figured out their percentage of reception? By this I mean the percent of stations you have received by channel. For example, the last ch.2 list I have names 56 stations. If you have received 14 of these your listing would be 25%.

This idea could further be broken to relate a more accurate story of your dx efficiency. Percentage of stations by mileage zones- ie: zone 1- 0-500 miles; zone 2- 500-1000 miles; etc; may be quite revealing. I'm sure most dx-ers would have a good percentage for ch.2 in the 1000-1500 mile zone.

This column could list your percentages if the idea meets with your approval.

item # 2 DX by the Year

With the new year upon us it appears a most opportune time to advance this idea. I am sure many club members have reached what they feel is the saturation point with regard to dx. One remedy is to start our totals over again. Why not dx by the year? We could still keep our over-all records but also have a yearly total. This would necessitate new verifications, etc, but it would most certainly eliminate the boredom of receiving KVOO for the n th time and not being able to add it to your total.

Perhaps the comparison of yearly records would yield a pattern of dx. I know I keep getting the same old stand-bys every summer.

Again your comments would be appreciated.

item # 3 Watch for ---

- CHRE 9, Regina, Sask., the first full power rebroadcasting station in Canada. Its home station is CHAB 4, and both are CTV network affiliates.
- CBUT 9, Courtenay, B.C. on Vancouver island to relay CBUT 2.

Next time, a review of the most received Canadian stations in 1962, a subject with a little more body than the above tidbits. Also, if room permits, Dx-ing in the Cariboo.

Please withhold all letters until February as I hope to have a new address by that time.

The best in dx to everyone in '63,

Jim Dillon

8 January, 1963

Ferdinand Dombrowski, Pvt.

US 55678955, 123rd Signal Bn.,

APO 36, New York, New York

By time you receive this I will be back in Wurzburg at 123rd Signal Bn. My schooling at Lenggrics will have been completed and I will be a full fledged VHF radio relay and carrier operator until May, 1964 when I return to the states.

The "Telstar" satellite is no longer operating, and its first intended successor has failed to operate upon launching, but there will be more. Here are some statistics on the first "Telstar" which I may or may not have published before: launched 10 July, 1962; 34.5 inches in diameter; 170 pounds in weight; contains 1 vacuum tube, 1064 transistors, 1464 diodes, and 3600 solar cells which produce an output of 15 watts. Its ground station transmitter operates on 6365 to 6415mc. The satellite radiates $\frac{1}{4}$ watt on 136mc for telemetry, also. "Telstar" also puts out 2.25 watts on 4145 to 4195mc carrier frequency, using an internal 90mc IF within the satellite. A "traveling wave" tube also transmits a 4080mc beacon.

I just received the 1962 TV station list from the European Broadcasting Union, and their map of the east and west European TV networks, "Eurovision" and "Eastvision" respectively. The map is nearly a year old but the station list is up to date due to its supplements. The combined networks stretch from Portugal in the west, to Moscow in the east; Malta and Algeria on the south to extreme northern Sweden in the north.

I don't recall seeing the USSR in this list before, nor the Ukraine or Bielorussia, so there have been some noticable additions to the station list. I'm listing first some of the major improvements and eventually will list all of the stations in the book.

EGYPT: only channels E5 to 11 are in use here so far. Stations are located in:

Alexandria, ch.6, 30kw; ch.9, 6kw.	Kassassin, ch.9, 2kw.
Assiut, ch.8, 6kw.	Maghagha, ch.5, 3kw.
Assuan, ch.5, 13.5kw.	Mallawi, ch.9, 3kw.
Bush, ch.9, 25kw.	Mansoura, ch.8, 20kw.
Cairo, ch.5, 120kw; ch.7, 24kw; ch.9, 16kw.	Port Said, ch.10, 25kw.
Qusiya, ch.6, 3kw.	Tanta, ch.11, 135kw.
Suez, ch.9, 24kw.	

France: the first 625 line UHF station operates on ch.E28, 526-534mc, 500 watts. It telecasts from the Eiffel tower in Paris, of course.

GIBRALTAR: the first 2 stations are on the air from ch.E6 according to the list. One must be temporary. 200 watts is the power of the permanent station.

IRE, (Republic of Ireland): there are now 5 625 line stations, as well as the 2 temporary 405 line stations. Ch.B7 at Kippure and ch.B11 at Truskmore are the lookw 405 line stations. The 5 CCIR-standards stations are:

Kippure (Dublin), ch.E H, 100kw.	Maghera (Gort), ch.B, 50kw.
Mt. Leinster (Cork), ch.F, 100kw.	B: 52 $\frac{1}{2}$ -60 $\frac{1}{2}$ mc. F: 190-198mc.
Mullaghanish (Cork), ch.D, 100kw.	D: 174-182mc. H: 206-214mc.
Truskmore (Sligo), ch.J, 100kw.	J: 214-222mc.

*Mt. Leinster is in Kilkenny, not Cork. Sorry.

MALTA: only station is at Ghargur, ch.E10, 4800 watts, directional.

MOROCCO: ch.210-217mc, 7kw at Casablanca; 186-193mc at Rabat, with 1000 watts.

Norway: the network has greatly expanded:

ch.E2: Kristiansands, 60kw; Melhus, 5kw.	E10: Sandfjord, 1 $\frac{1}{2}$ w.
ch.E4: Kongsberg, 100kw.	E11: Furuset, 50 watts.
ch.E5: Nordhug, 60kw.	E11: Hamar, 6 watts.
ch.E6: Haus, 32 watts; Oere, 60kw; Oslo, 100kw.	E11: Lillehammer, ---.
ch.E7: Hovdefjell, 30kw; Laksevåg, 50 watts	E11: Rjukan, 40 watts.
ch.E8: Bokn, 15kw; Porsgrunn, 2 watts.	E11: Skien, 12 watts.
ch.E9: Bergen, 140kw; Drammen, 3 watts; Gjøvik, 15 watts; Halden, ---;	
Kongsvinger, 4 watts; Larvik, 1 $\frac{1}{2}$ watts; Skafsaa, 10 watts.	

SYRIA: Aleppo, ch.E5, 40kw. Homs, ch.E7, 40kw.

Damascus, E5, 65kw. Sheikh Daher, E9, 12kw.

(no longer in the U.A.R. with Egypt, as you all know.)

More next month from the EBU list. See you then from jolly old Deutschland. 73s.

January 1963

4638 N. Rowell Ave.
Fresno 26, California

Greetings to all in the New Year. This cold, cold season has brought some of us a little DX. After a bit of a tropo opening in the first half of October in the Midwest, things settled down until Es started coming up a bit in November, as you saw in last month's column. There was even more this time, as you will see in the reports. Es dates this last period were as follows: Nov. 30, Dec. 1, 2, 5, 11, and 20.

Dave Pomeroy has some tropo to report from Lawrence, Kansas, where he is attending the University of Kansas. His tropo occurred in the part of October noted in another Mid-western report last month. Oct. 7: tropo, KTVO-3 Iowa. Oct. 8: tropo, KTVH-12 KOAM-7 Kans., KOMU-8 KCRG-13 KYTV-3 Mo. Oct. 10: tropo, KOAM-7, KCRG-13 KHQA-7 KOMU-8 KTTS-10 Mo., KTHV-11 Ark. Oct. 11: tropo, KETV-7 KOLN-10 Nebr., KCKT-2 Kans., KEYC-12 Minn. Thanks very much for the college report, Dave. His address in Lawrence has changed; it is now 1225 Tennessee.

Bill Hauser of Enid, Oklahoma shows up this month with some winter Es along with a little tropo. Nov. 25: tropo, KGIN-11 KHOL-13 Nebr., KSOO-13 KELO-11 S.Dak. Nov. 28: tropo, KRDO-13 (410 mi) Colorado Springs. Nov. 30: Es, XEZ-3 XEZ-6 Queretaro, XEW-2 Mexico D. F., XEFB-3 Monterrey, XEWO-2 XEG-4 Guadalajara. Dec. 1: Es, KGBT-4 Texas, XEZ-3, XEFB-3 XET-6 (750 mi) Monterrey, Nuevo Leon, XELN-4 (new tentative) Turreon, Coahuila, XEG-4 XEWO-2. Dec. 2: Es, XEW-2. Dec. 5: Es, WJXT-4 Fla., WUCN-2 WCIV-4 (new tentative) Charleston, S.C., WBTB-3 N.C., WSAV-3 Ga., WTVY-4 Ala., WESH-2 WEDU-3 Fla. Dec. 11: Es, KORK-2 Nev., KNXT-2 KEY-T-3 Calif. Dec. 18: tropo, KWTX-10 Tex. Two new ones bring Bill's total to 282. All of his Es was observed in the evening hours, between 1800 and 2200 (6 & 10 PM) CST.

In Wasco, California, your editor found little time to DX over the holidays, with relatives visiting and then going to visit other relatives. Our usual winter fog has been bringing in KVIP-7 (400 mi) and others by tropo fairly well, and a brief Es signal on Dec. 20 brought in a ch. 2 unID around 1930 PST. Yours truly is now a radio ham, with Novice call WN6CVK. If any of you are hams, I will be glad to contact you, and perhaps set up a sked of some sort.

I have information on various printed matter in which you may be interested. The publishers of CQ Magazine still have reprinted copies of "The Sunspot Story, Cycle 19: The Declining Years," which originally appeared in the April, May, and June issues of CQ. This is a most complete article on the sunspot cycle that has recently passed, what it has done to the amateur bands and the spectrum in general, and what possibly lies ahead in future years. Price per copy is \$1, or, ten or more copies each 75¢. Address: Cowan Publishing Corp., 300 West 43rd St., New York 36.73 Magazine now has a supplement entitled "ATV Experimenter," which is, as stated, "devoted explicitly to the advancement of the art of Amateur Television Communication." I find it most interesting, even though my technical knowledge of the subject is very general and somewhat limited at the present time. The supplement can be subscribed to by itself, for \$1 per year, from 73 Magazine, Peterborough, New Hampshire. It is bi-monthly, and if you so state, the first issues (starting June-July 1962) will be sent. An article in the Aug-Sept issue is a good one, for "Converting UHF TV Tuners for ATV"; however, the writer of the article has told me of a correction to be made, so I'll report on that in the next column.And, the Jones Log...mine hasn't arrived yet, either...originally, it was to be ready in mid-1962, and the latest info I have says it will be ready December 1962--and, it is now January....

California TV: The call of the new educational station on ch. 24 in San Bernardino is KVCR-TV, and I think the ERP is about 5 kw. KERO-10 Bakersfield is planning to switch to ch. 23 in mid-1963, and the ERP will be more than a million watts.

I am sorry I did not get around to send Christmas cards this year--I just didn't get to it, it seemed---but many thanks for the cards received here.

Happy New Year, and Best of DX in 1963

Dennis